

Tanaka® Illustrated Parts Manual

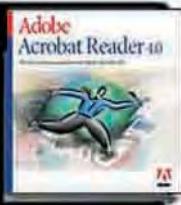
Model Number:

TBC-225C
GRASS TRIMMER

P/N 39718
Rev 000
Date 4-15-08

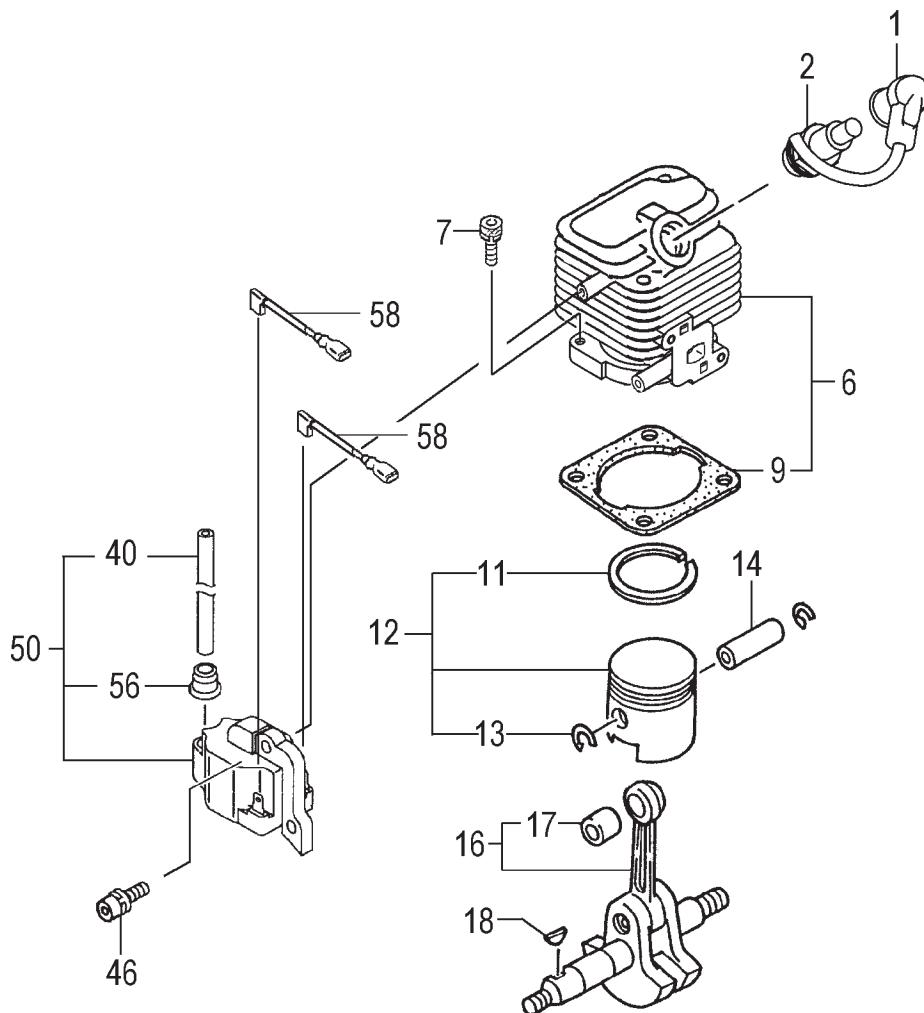


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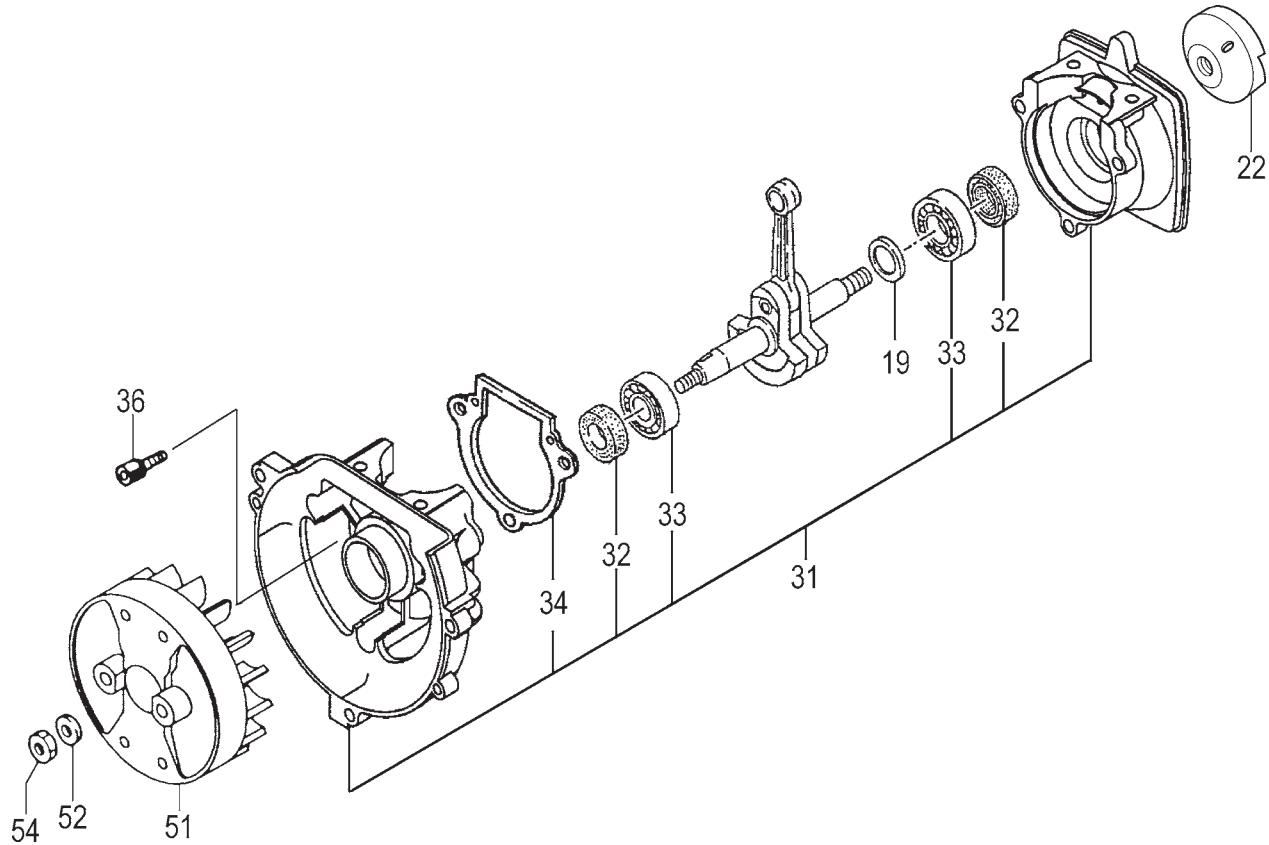


Nikko Tanaka Engineering U.S.A.,Ltd. • 1028 4th Street SW, Bldg B • Auburn, WA 98001 • Phone: (253) 333-1200 • Fax: (253) 333-1212

CYLINDER, PISTON, CRANKSHAFT, IGNITION • FIGURE 1

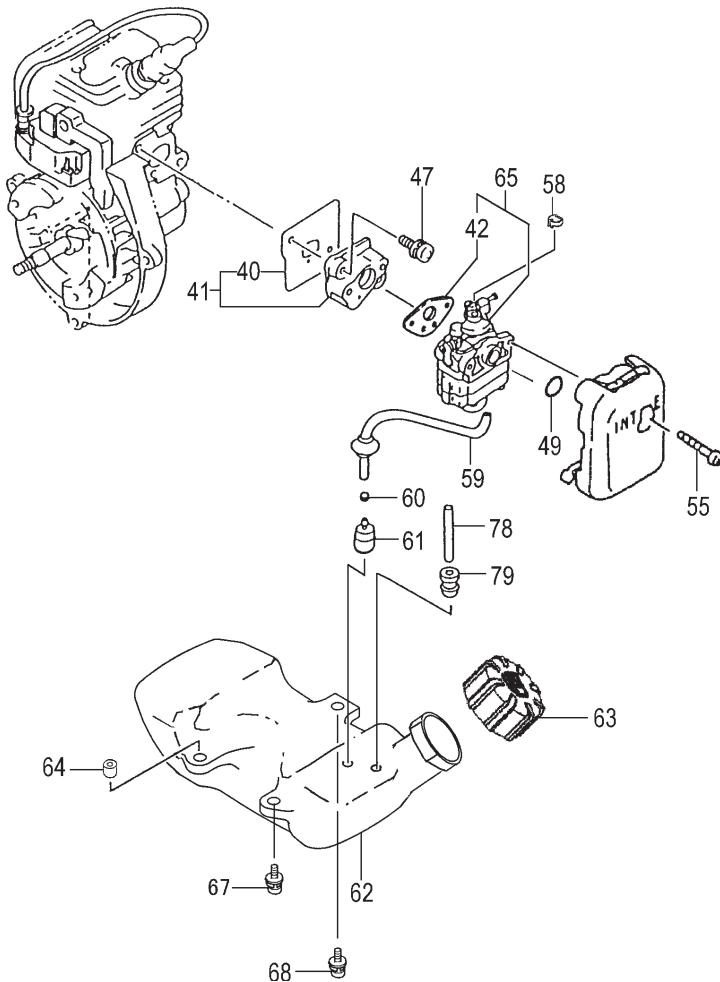


ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
1-1	1570157090	CAP,SPARK PLUG,ASSEMBLY	1	
1-2	0181166021	PLUG,SPARK	1	
1-6	0010713091	CYLINDER SET	1	Includes gasket
1-7	99461050184	BOLT,HEX,5X18,S	2	
1-9	01700980200	GASKET,CYLINDER	1	
1-11	04100601210	RING,PISTON	1	
1-12	0300007090	PISTON SET	1	Includes piston rings and circlips
1-13	03901620200	CIRCLIP,PISTON PIN	1	
1-14	03706500200	PIN,PISTON	1	
1-16	0460713081	CRANKSHAFT	1	~B001000
1-16	0460713580	CRANKSHAFT	1	B001001~
1-17	99962081277	BEARING,NEEDLE,HK0810B	1	
1-18	06810100200	KEY,WOODRUFF,3X13X4.5	1	~B001000
1-40	1782054620	CORD B	1	
1-46	99463040154	BOLT,HEX,4X15,PS	2	
1-50	1672054691	COIL,IGNITION	1	
1-56	56020517200	CAP,RUBBER	1	
1-58	1780136M800	CORD,STOP	2	

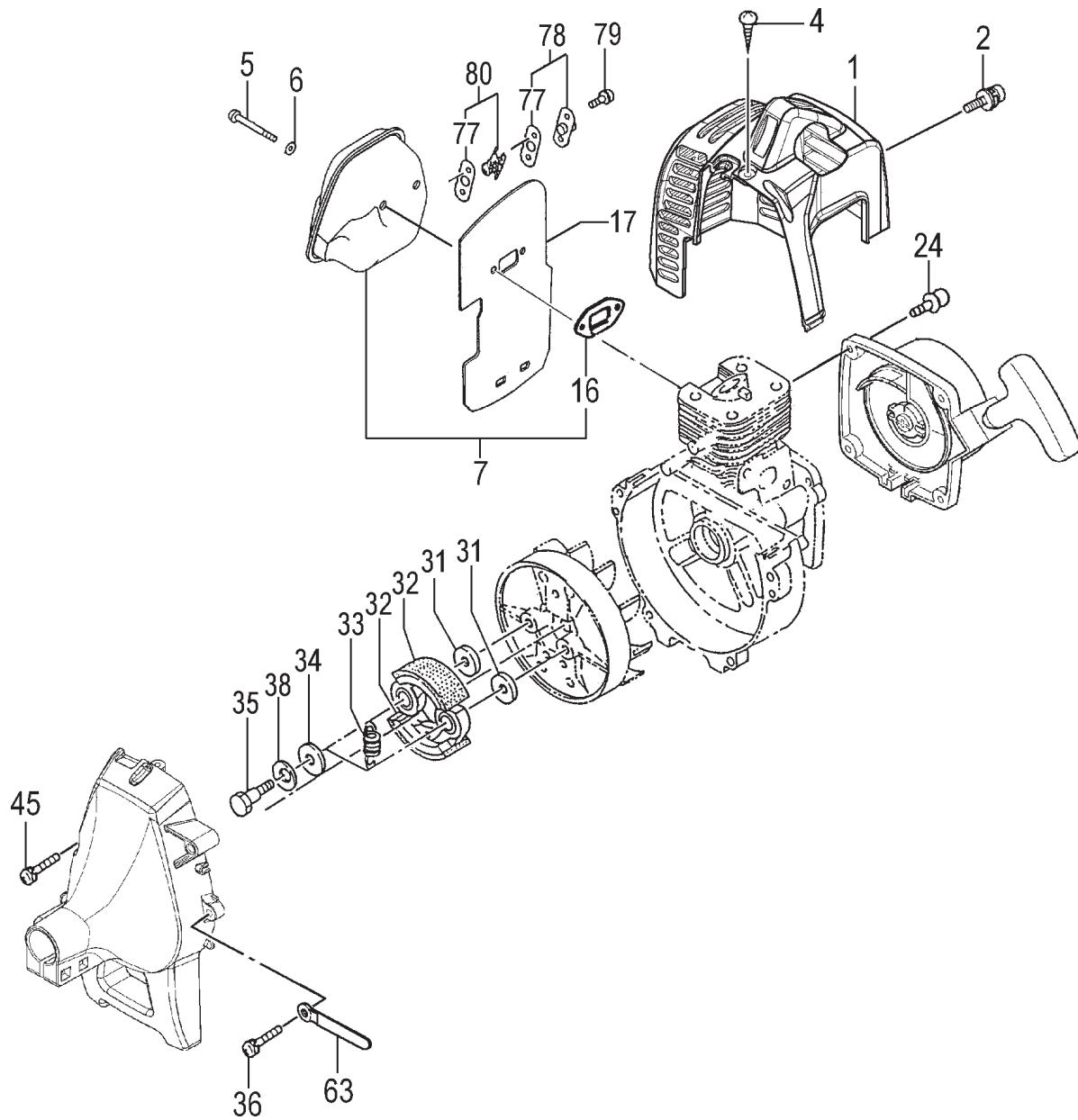


ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
2-19	33000200210	SHIM,12.2X19X.10	1	
2-19	33000200220	SHIM,12.2X19X.15	1	
2-19	33000200230	SHIM,12.2X19X.20	1	
2-19	33000200240	SHIM,12.2X19X.30	1	
2-22	7980304520	PULLEY,STARTER	1	
2-31	0720712092	CRANKCASE ASSY	1	Includes gasket, bearings and seals
2-32	99966122240	SEAL,OIL	2	
2-33	99961600115	BEARING,BALL,6001 C3	2	
2-34	0900641020	GASKET,CRANKCASE	1	
2-36	99461050184	BOLT,HEX,5X18,S	3	
2-51	1552055080	ROTOR,MAGNETO	1	~B001001
2-51	1552055081	ROTOR,MAGNETO	1	B001001~
2-52	99201080011	WASHER,8	1	
2-54	99101080011	NUT,8	1	

FUEL SYSTEM • FIGURE 3



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
3-40	4030631A20	GASKET, INLET MANIFOLD	1	
3-41	4040099F90	SET, CARB INSULATOR	1	
3-42	4020602K21	GASKET, CARBURETOR	1	
3-47	99464050224	BOLT, HEX, 5X22, WS	2	
3-49	4310634C200	GASKET, CLEANER	1	
3-55	99416050601	SCREW, 5x60WS	2	
3-58	5600712020	SWIVEL CAP	1	
3-59	2230700090	FUEL PIPE ASSY	1	
3-60	68000731201	CLIP 6.3	1	
3-61	6750404280	FILTER, FUEL	1	
3-62	5910712021	TANK, FUEL	1	Before S/N ~D067000
3-62	5910717F20	TANK, FUEL, EVAPO	1	After S/N D067001~
3-63	5950300290	CAP, TANK (BLACK/RED)	1	
3-64	65900801200	COLLAR	3	
3-65	4550713990	CARBURETOR SET	1	Includes gasket
3-67	99463050164	BOLT, HEX, 5X16, PS	2	
3-68	99463050205	BOLT, HEX, 5X20PS	1	
3-78	7000300508	PIPE, FUEL, 3X5X85	1	
3-79	53432710200	GROMMET, FUEL PIPE	1	

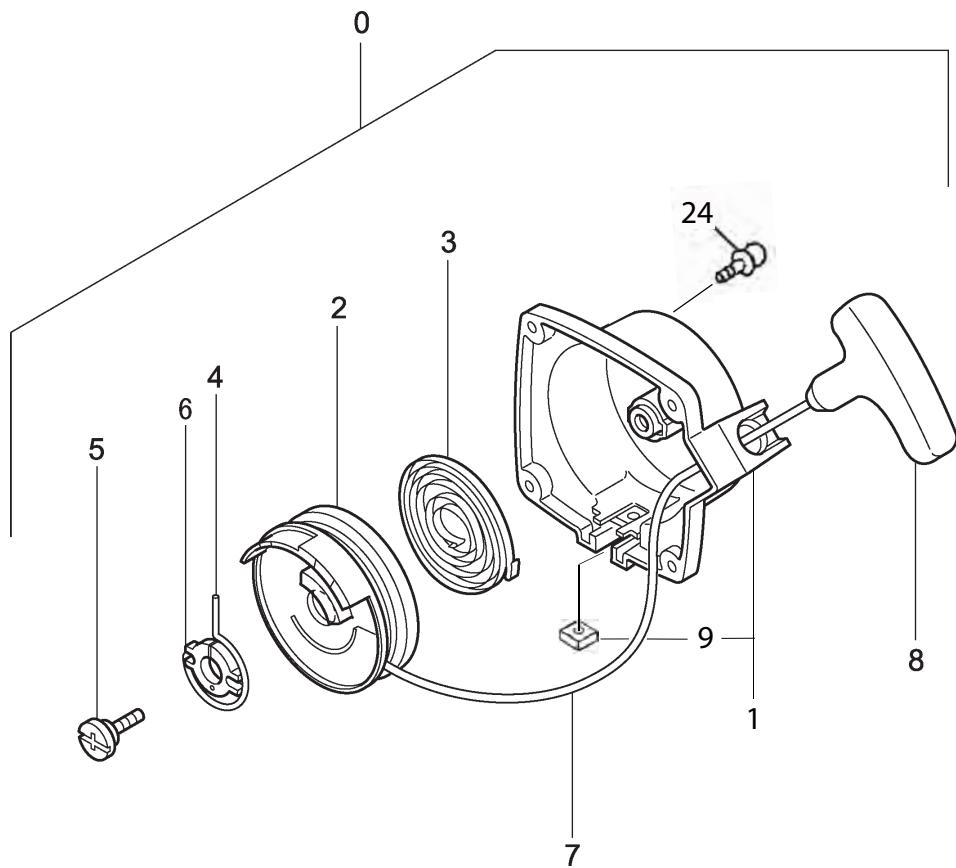
MUFFLER, CLUTCH & COVER • FIGURE 4



PARTS INFORMATION

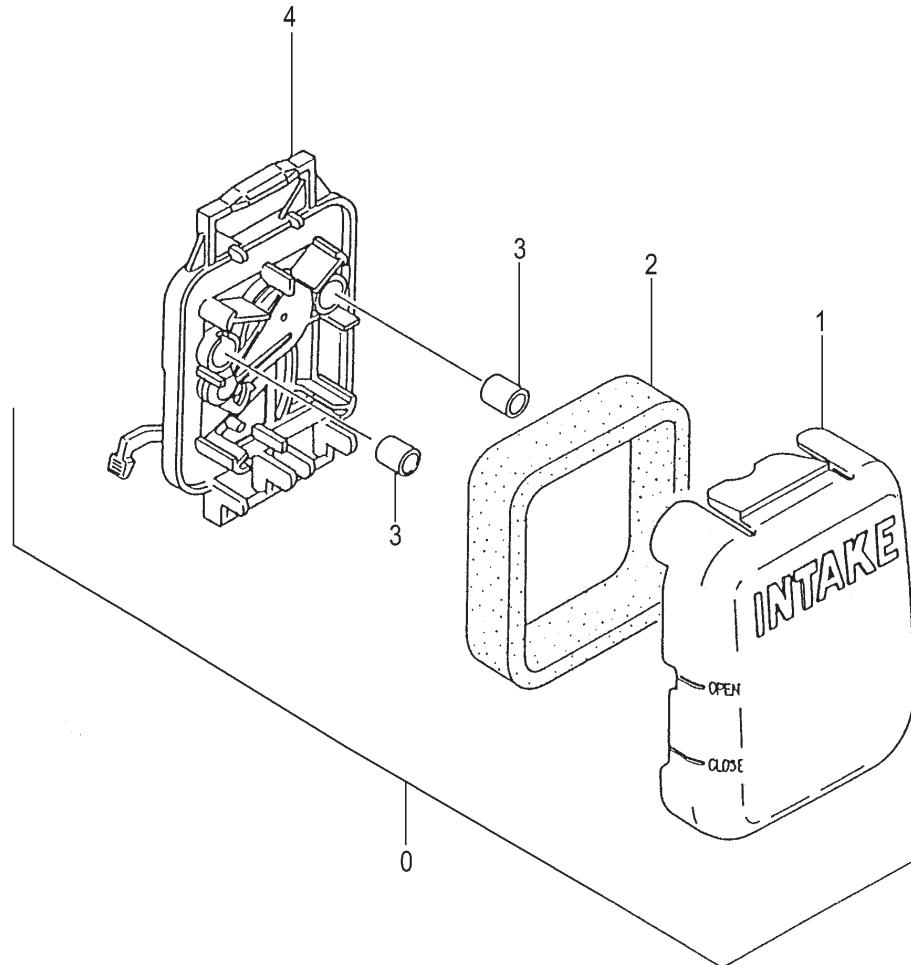
TBC-225C**MUFFLER, CLUTCH & COVER • FIGURE 4**

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
4-1	7380716220	COVER,MUFFLER	1	
4-2	99415040151	SCREW,4X15PS	1	
4-4	99073045124	SCREW,TAPPING,4.5X12	1	
4-5	99051050503	BOLT,HEX,5X50	2	
4-6	99201050061	WASHER,5	2	
4-7	7040713990	MUFFLER SET	1	Includes gasket
4-16	7370700020	GASKET,MUFFLER	1	
4-17	1330654020	SHIELD,HEAT	1	
4-24	99463040154	BOLT,HEX,4X15,PS	4	
4-31	35902103200	WASHER,CLUTCH,B	2	
4-32	2900641080	SHOE,CLUTCH	2	
4-33	3420641020	SPRING,CLUTCH	1	
4-34	3480654020	PLATE,CLUTCH	2	
4-35	35700601200	BOLT,STEP,CLUTCH	2	
4-36	99464050184	BOLT,HEX,5X18,WS	2	
4-38	99205080030	WASHER,8	2	
4-45	99464050304	BOLT,HEX,5X30,WS	1	
4-63	19811600200	CLAMP,CORD	1	
4-77	75104200201	GASKET,MUFFLER	2	
4-78	7340099K90	PIPE,EXHAUST	1	
4-79	99434040081	SCREW,4X8/S	2	
4-80	7320099F90	SET,SPARK ARRESTER	1	

**748744**

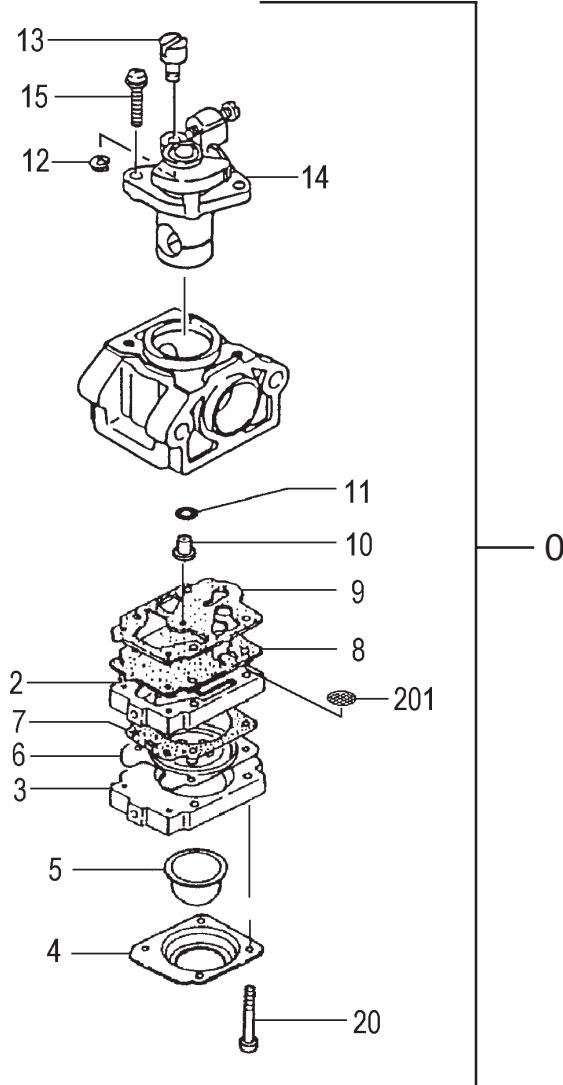
Consider ordering the 748744, S-Start Kit if you are replacing the starter assy. It decreases the pull effort by 60%. They are dependable and easy to install.

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
5-0	7620304590	STARTER ASS'Y	1	7560712000 Optional S-Start Kit
5-1	7720304580	BODY,STARTER	1	
5-2	7740304520	PULLEY,STARTER	1	
5-3	7790304520	SPRING,RECOIL	1	
5-4	7770304520	ARM,SWING	1	
5-5	8390304520	SCREW,SET	1	
5-6	7710304520	STAY,PULLEY	1	
5-7	7830304520	ROPE,STARTER	1	
5-8	7850304520	HANDLE,STARTER	1	
5-9	3153334020	NUT, SPECIAL 5MM	1	
5-24	99463040154	HEX, HOLE BOLT 4X15/PS	4	NOT INCLUDED WITH ASSEMBLY



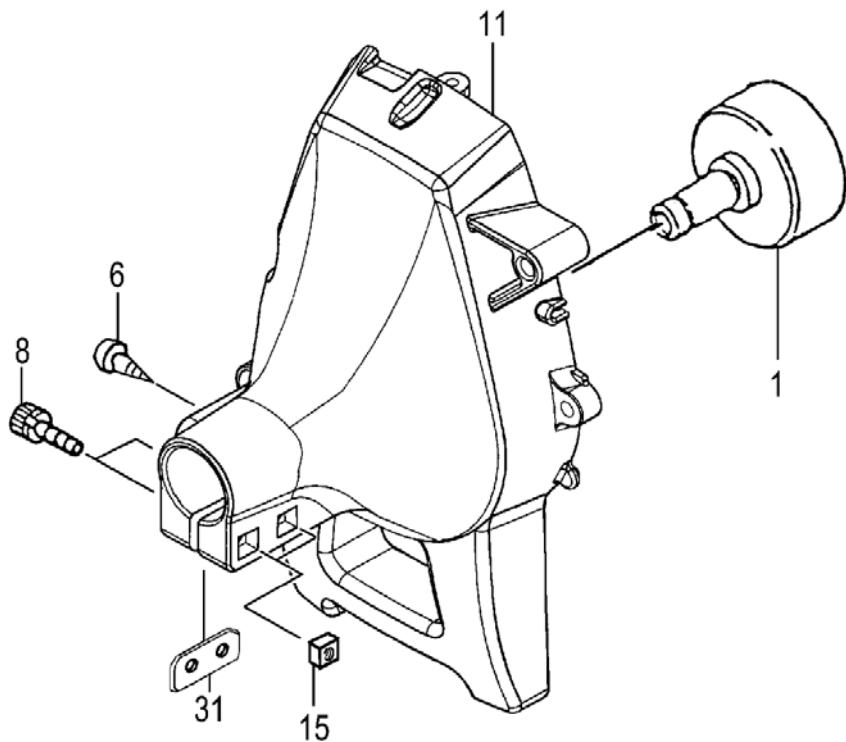
ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
6-0	41000025900	CLEANER,AIR ASS'Y	1	
6-1	42400025200	CAP,AIR CLEANER	1	
6-2	44600025200	ELEMENT,CLEANER	1	
6-3	47000025200	COLLAR	2	
6-4	42300025800	BODY,CLEANER,AIR	1	

CARBURETOR • FIGURE 7

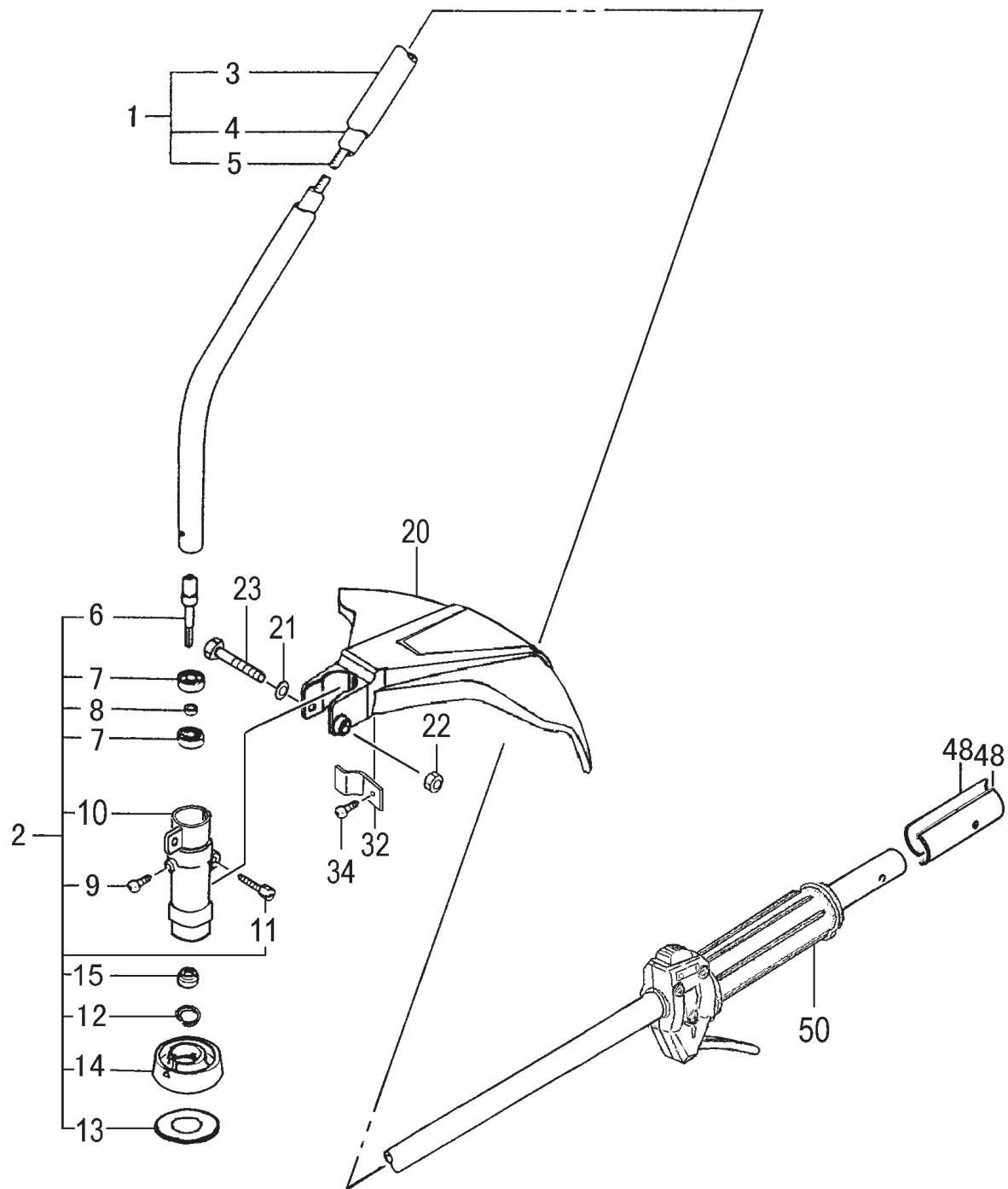


ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
7-0	4550713990	CARBURETOR SET	1	Includes gasket
7-2	5752515380	BODY,PUMP	1	
7-3	4422515180	PUMP,PRIMING	1	
7-4	4762515120	COVER,DIAPHRAGM	1	
7-5	44725108200	BULB,PRIMING	1	
7-6	~ ~ ~	METERING DIAPHRAGM	1	~ Contained in Carb Repair Kit
7-7	~ ~ ~	GASKET,DIAPHRAGM	1	P/N 650-25140-900
7-8	~ ~ ~	DIAPHRAGM,PUMP	1	(not available individually)
7-9	~ ~ ~	GASKET,PUMP	1	
7-10	5992000W38	JET,MAIN #38	1	
7-11	55025100200	O-RING	1	
7-12	48925100200	RING,STOP	1	
7-13	53925120200	SWIVEL	1	
7-15	54825140200	SCREW,THROTTLE SET	2	
7-20	5482515120	SCREW,SET	4	
7-201	57825007200	SCREEN,INLET	1	

This item is no longer sold as assembly. Order individual parts.



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
8-1	2890716280	DRUM,CLUTCH	1	
8-6	99074045164	SCREW,TAPPING 4.5x16	1	
8-8	99464050304	BOLT,HEX,5X30,WS	2	
8-11	1120716480	FAN CASE	1	
8-15	99191050001	NUT,5	2	
8-31	2490712K20	SPACER	1	Includes bearing

DRIVE SHAFT & SAFETY GUARD • FIGURE 9



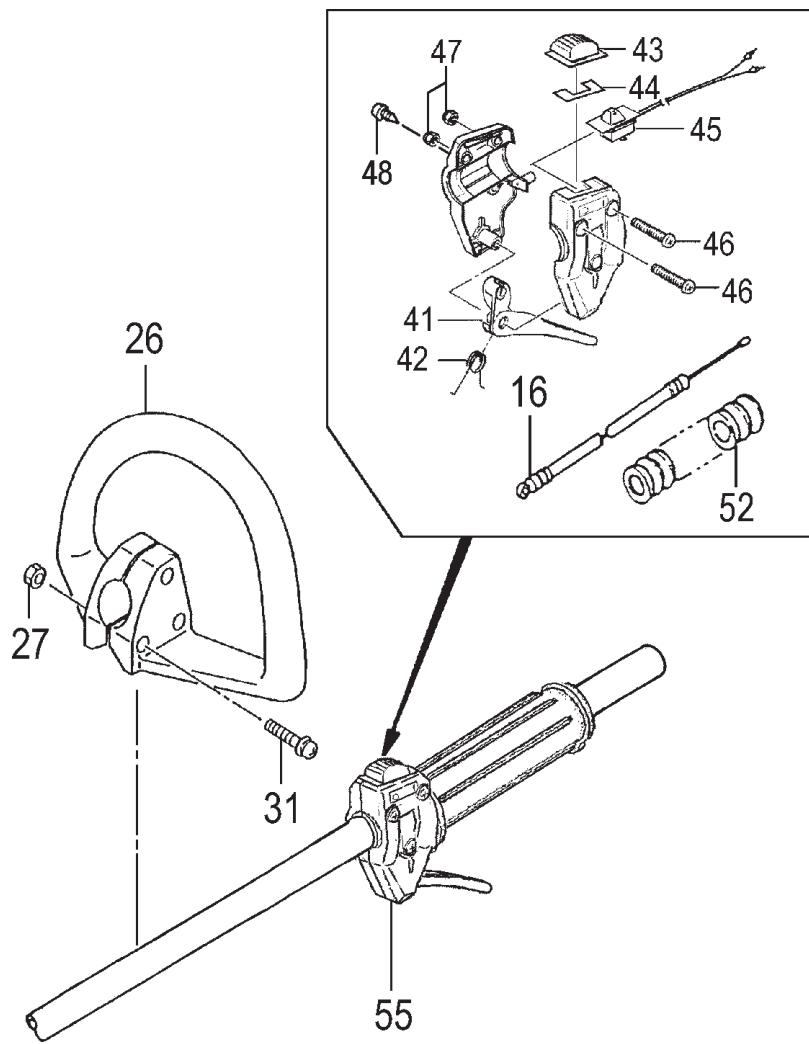
PARTS INFORMATION

TBC-225C

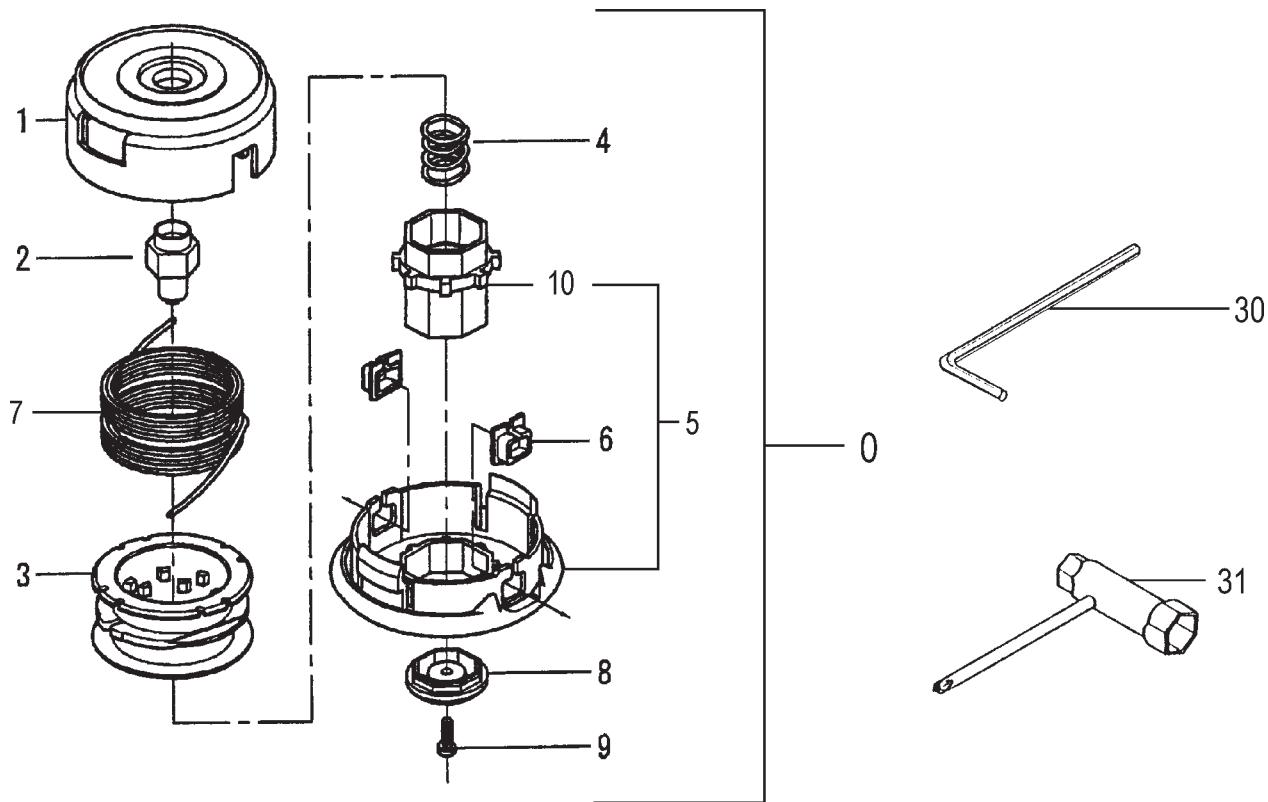
DRIVE SHAFT & SAFETY GUARD • FIGURE 9

ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
9-1	3533847490	SHAFT PIPE SET	1	
9-2	3003847490	CASE,GEAR,ASS'Y	1	
9-3	3413847420	PIPE,DRIVE SHAFT	1	
9-4	3503847420	LINER,FLEXIBLE	1	
9-5	3443847420	SHAFT,FLEXIBLE	1	
9-6	3043847420	SHAFT,CUTTER	1	
9-7	99961608001	BEARING,BALL,#608LB	2	
9-8	3483847420	COLLAR,5	1	
9-9	99021050101	BOLT,5x10	1	
9-10	3003847420	CASE,GEAR	1	
9-11	99021050301	BOLT,5X30	1	
9-12	99210080012	WASHER,S,8	1	
9-13	3203847420	SPACER	1	
9-14	3103847420	HOLDER,CUTTER	1	
9-15	7603847420	WASHER,SPECIAL	1	
9-20	4413845220	GUARD,SFAETY	1	
9-21	99201060011	WASHER,6	1	
9-22	99101060011	NUT,6	1	
9-23	99023060451	BOLT,6x45	1	
9-32	7973845220	KNIFE	1	
9-34	99073050164	SCREW,TAPPING,5X16	1	
9-48	3463737A20	HOLDER	2	
9-50	5093845320	GRIP,SHAFT	1	

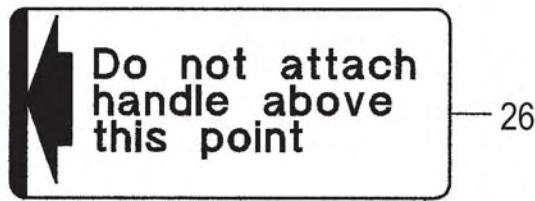
THROTTLE & FRONT HANDLE • FIGURE 10



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
10-16	8853845191	THROTTLE WIRE SET	1	
10-26	5003845220	HANDLE,FRONT	1	
10-27	99101050041	NUT,5	3	
10-31	99416050302	SCREW,5x30,WS	3	
10-41	8803845120	LEVER,THROTTLE	1	
10-42	8323845120	SPRING,RETURN	1	
10-43	1623845120	BUTTON,STOP	1	
10-44	9253845120	DECAL,STOP SWITCH	1	
10-45	1563845180	SWITCH,STOP	1	
10-46	99011050301	SCREW,5X30	3	
10-47	99101050011	NUT,5	3	
10-48	99072050144	SCREW,TAPPING,5X14	1	
10-52	1640701701	TUBE,PROTECTION,7x170	1	
10-55	8703847490	LEVER,THROTTLE ASSY	1	



ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
11-0	746852	HEAD,SEMI-AUTO,4" CURVED	1	
11-1	7863847420	CUTTING BODY	1	
11-2	3563847420	SPECIAL NUT,RH	1	
11-3	7873819520	REEL	1	
11-4	7933819520	SPRING	1	
11-5	4023819500	CAP-SLIDER SET	1	
11-6	7883819520	EYELET	2	
11-7	746560	TRIMMER LINE,.095	1	
11-8	4033819520	DISK	1	
11-9	99414050141	SCREW	1	
11-10	4023819580	SLIDER	1	
11-30	8132901460	WRENCH,HEX 14	1	
11-31	8262901460	SPANNER,COMBI 17x19	1	



WARNING •Read the Operator's Manual and follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and/or bystanders. •Objects may be thrown or ricochet in all directions. **ALWAYS WEAR EYE PROTECTION.** •Keep bystanders at least 50 feet (15 m) away. •To reduce the chance of hearing loss, always wear ear protection. •To reduce the risk of injury from loss of control, never use a metal blade on a curved shaft grass trimmer. Never use a metal blade on any brushcutter without barrier bar or bicycle handle configuration and safety strap. •Use of a blade may cause a sudden sideways, forward or backward motion of the brushcutter when the blade contacts a solid object. See Owner's manual for model specific details.

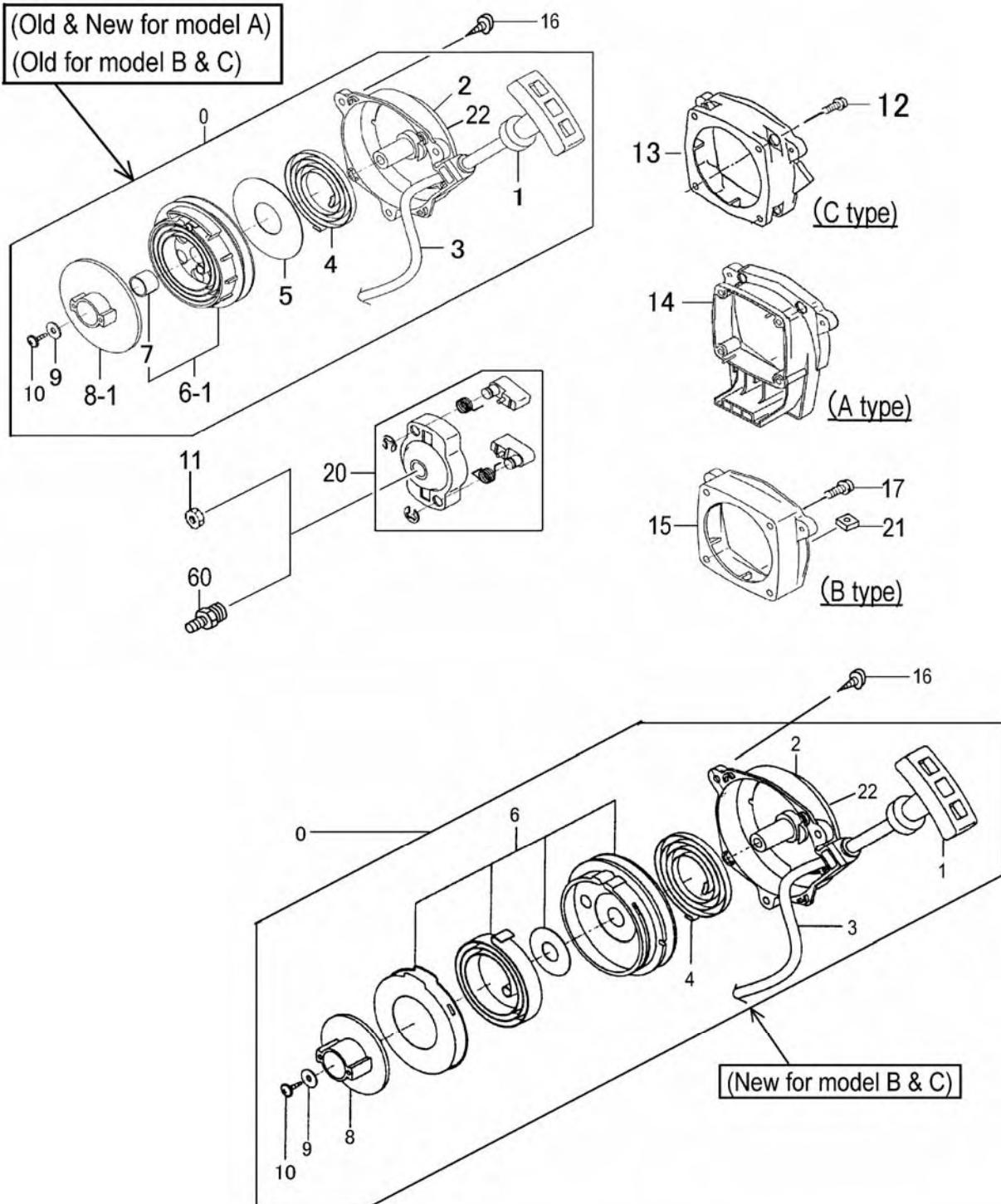
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ITEM	PART NUMBER	DESCRIPTION	QTY	COMMENTS
12-1	9060716220	DECAL,TBC-225C	1	
12-3	9290716220	DECAL,TBC-225C	1	
12-4	92337400200	DECAL	1	
12-10	9193782020	DECAL,CAUTION A	1	
12-26	9233738F20	DECAL,LEVEL	1	

S·START KIT

Order Number

A --- TBC2501/D, TPH2501, TPS-2501, TPE2501	748733
B --- TBC230/230B/230D	748744
C --- TBC290/290D/340/340D	748732



S-Start Parts Information

REF. NUMBER	PART NUMBER	DESCRIPTION	Q'TY		
			A	B	C
	756-07075-00	S-START KIT (TBC2501)	1		
	756-07120-00	S-START KIT (TBC230)		1	
	756-07027-00	S-START KIT (TBC290)			1
000	762-07075-90	RECOIL STARTER BODY ASS'Y	1		
000	762-07085-90	RECOIL STARTER BODY ASS'Y		1	
000	762-07027-90	RECOIL STARTER BODY ASS'Y			1
001	785-07085-20	STARTER HANDLE	1	1	1
002	772-07085-80	RECOIL STARTER BODY COMP,	1	1	1
003	783-07085-20	RECOIL ROPE	1	1	1
004	780-07085-20	RECOIL SPRING	1	1	1
005	786-07085-20	SPRING PLATE	1	1	1
006,1	778-07027-90	RECOIL SPRING CASE ASS'Y	1		1
006,1	778-07085-90	RECOIL SPRING CASE ASS'Y		1	
006,1	778-07075-90	RECOIL SPRING CASE ASS'Y	1		
006	778-07085-91	SORING CASE ASS'Y		1	1
007	328-07085-20	STARTER BUSH	1	1	1
008,1	774-07075-20	STARTER PULLEY	1		
008,1	774-07085-20	STARTER PULLEY		1	
008,1	774-07027-20	STARTER PULLEY			1
008	774-07085-21	STARTER PULLEY		1	
009	182-07085-20	SPECIAL WASHER 5.2X15	1	1	1
010	990-72050-144	TAPPING SCREW 5X14	1	1	1
011	991-01080-011	HEX. NUT 8			1
012	994-64040-185	HEX. HOLE BOLT 4X18WS			4
013	806-07027-20	STARTER BASE			1
014	806-07070-20	STARTER BASE	1		
015	806-07120-20	STARTER BASE		1	
016	990-73045-144	TAPPING SCREW 4.5X14	3	3	3
017	994-64040-125	HEX. HOLE BOLT 4X12WS		4	
020	798-07085-90	STARTER PULLEY ASS'Y	1	1	1
021	991-91050-001	SQUARE NUT 5		1	
022	915-07078-20	STARTER MARK (S-START)	1	1	1
060	314-07070-20	SPECIAL BOLT	1		